

Bus Study developed cost factors for bus service in the region based on a combination of revenue-vehicle-hours and revenue-vehicle-miles.

The number of annual revenue-vehicle-miles was determined by multiplying the length of each route by the number of trips that would be provided in a year based on the headways and length of each time period shown in Tables 4-3 and 4-4, and the number of days of each type in a year for both peak and off-peak seasons. The number of annual revenue-vehicle-hours was determined by multiplying the number of buses on each route in each time period by the length of each time period as shown in Tables 4-3 and 4-4, and the number of days of each type in a year for both peak and off-peak seasons. The WMATA operating cost factors for non-regional service used in the Metropolitan Washington Regional Bus Study³⁰ were used to determine the annual cost of circulator operation. The resulting estimated annual revenue-hours and –miles and annual operating costs for the two alternatives are shown in Tables 4-5 and 4-6. The tables show that approximately half of the \$17 million annual operating cost would be for the White House-Capitol Route. One fourth would be for the K Street Route and the remaining one fourth would be for the North-South and the Monuments Routes.

Table 4-5: Annual Resource Requirements and Operating Costs – Alternative A

	Annual Revenue- Miles	Annual Revenue- Hours	Annual Operating Cost (millions)
White House/Capitol Route	757,225	128,567	\$8.643
Monuments Route	248,897	29,877	\$2.212
North-South Route	191,318	30,628	\$2.089
K Street Route	417,256	56,472	\$4.032
TOTAL	1,614,697	245,544	\$16.976

Table 4-6: Annual Resource Requirements and Operating Costs – Alternative B

	Annual Revenue- Miles	Annual Revenue- Hours	Annual Operating Cost (millions)
White House/Capitol Route	720,773	124,364	\$8.327
Monuments Route	242,563	29,003	\$2.150
Presidential route	48,316	10,108	\$0.648
North-South Route	191,318	30,628	\$2.089
K Street Route	417,256	56,472	\$4.032
TOTAL	1,620,227	250,575	\$17.247

³⁰ WMATA non-regional cost factors are \$50.79 per revenue-vehicle-hour plus \$2.79 per revenue-vehicle-mile.